

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (currently amended) A dump truck body comprising:

a receptacle defined by a floor and, extending from the floor, first and second side walls on opposite sides of the floor, and a front wall and a tailgate, located on opposite sides of the floor and extending between the side walls;

the floor comprising at least one longitudinal support structure which substantially extends from the front wall to the tailgate, a substantially planar support plate attached along an intermediate portion of the at least one longitudinal support structure, and at least one floor section extending in a substantially horizontal plane attached to the at least one longitudinal support structure, without a plurality of longitudinally spaced, transverse supports extending from the at least one longitudinal support structure to a side of the dump truck body; and

a conveyor system attached to the at least one longitudinal support structure, the floor having at least one opening in alignment with the conveyor system; and

wherein said dump truck body is adapted for pivotal attachment to a dump truck frame; and [.]

wherein the cross-sectional shape of the at least one longitudinal support structure is selected from the group consisting of trapezoidal, triangular, and H-shaped.

2. (original) The dump truck body according to claim 1 wherein the floor comprises two longitudinal support structures which are transversely spaced and substantially parallel.

3. (currently amended) The dump truck body according to claim 1 wherein [[a]] the cross-sectional shape of the at least one longitudinal support structure is trapezoidal.

4. (currently amended) The dump truck body according to claim 1 wherein [[a]] the cross-sectional shape of the at least one longitudinal support structure is triangular.

5. (currently amended) The dump truck body according to claim 1 wherein the cross-sectional shape of at least one longitudinal support structure is an H-beam H-shaped.

6. (original) ~~The dump truck body according to claim 1~~ A dump truck body comprising:

a receptacle defined by a floor and, extending from the floor, first and second side walls on opposite sides of the floor, and a front wall and a tailgate, located on opposite sides of the floor and extending between the side walls;

the floor comprising at least one longitudinal support structure which substantially extends from the front wall to the tailgate, a substantially planar support plate attached along an intermediate portion of the at least one longitudinal support structure, and at least one floor section extending in a substantially horizontal plane attached to the at least one longitudinal

support structure, without a plurality of longitudinally spaced, transverse supports extending from the at least one longitudinal support structure to a side of the dump truck body;

a conveyor system attached to the at least one longitudinal support structure, the floor having at least one opening in alignment with the conveyor system;

further comprising a transverse support attached to the at least one longitudinal support structure and the at least one floor section adjacent the tailgate; and

wherein said dump truck body is adapted for pivotal attachment to a dump truck frame.

7. (original) The dump truck body according to claim 1 further comprising at least one first curved member adjacent and in contact with the first side wall and an inner surface of the floor, wherein the at least one first curved member curves downwardly and inwardly toward the conveyor system.

8. (original) The dump truck body according to claim 7 further comprising at least one second curved member adjacent and in contact with the second side wall and the inner surface of the floor, wherein the at least one second curved member curves downwardly and inwardly toward the conveyor system.

9. (original) The dump truck body according to claim 8 wherein the at least one first and second curved members are removable.

10. (original) The dump truck body according to claim 8 wherein the at least one first and second curved members are permanently attached to either or both of the first and second side walls and the floor.

11. (original) The dump truck body according to claim 8 wherein the first and second side walls have a first longitudinal edge distal from the floor and a second longitudinal edge proximal to the floor and wherein the at least one first curved member extends from the first longitudinal edge of the first side wall to the floor adjacent the conveyor system and the at least one second curved member extends from the first longitudinal edge of the second side wall to the floor adjacent the conveyor system.

12. (currently amended) A dump truck comprising:
a longitudinally extending truck frame;
a dump truck body pivotally mounted at a rear end thereof on the truck frame,
wherein the dump truck body comprises:

a receptacle defined by a floor and, extending from the floor, first and second side walls on opposite sides of the floor, and a front wall and a tailgate, located on opposite sides of the floor and extending between the side walls;

the floor comprising at least one longitudinal support structure which substantially extends from the front wall to the tailgate, a substantially planar support plate attached along an intermediate portion of the at least one longitudinal support structure, and at least one floor section extending in a substantially horizontal plane attached to the at least one longitudinal support structure, without a plurality of longitudinally spaced, transverse supports

extending from the at least one longitudinal support structure to a side of the dump truck body;
and

a conveyor system attached to the at least one longitudinal support structure, the floor having at least one opening in alignment with the conveyor system; ~~and~~
a lift system connected between the truck frame and a forward end of the dump body; and [[.]]

wherein the cross-sectional shape of the at least one longitudinal support structure is selected from the group consisting of trapezoidal, triangular, and H-shaped.

13. (original) The dump truck according to claim 12 wherein the floor comprises two longitudinal support structures which are transversely spaced and substantially parallel.

14. (original) The dump truck according to claim 12 wherein [[a]] the cross-sectional shape of the at least one longitudinal support structure is trapezoidal.

15. (original) The dump truck according to claim 12 wherein [[a]] the cross-sectional shape of the at least one longitudinal support structure is triangular.

16. (original) The dump truck according to claim 12 wherein the cross-sectional shape of the at least one longitudinal support structure is ~~an H-beam~~ H-shaped.

17. (original) ~~The dump truck according to claim 12~~ A dump truck comprising:
a longitudinally extending truck frame;

a dump truck body pivotally mounted at a rear end thereof on the truck frame,
wherein the dump truck body comprises:

a receptacle defined by a floor and, extending from the floor, first and
second side walls on opposite sides of the floor, and a front wall and a tailgate, located on
opposite sides of the floor and extending between the side walls;

the floor comprising at least one longitudinal support structure which
substantially extends from the front wall to the tailgate, a substantially planar support plate
attached along an intermediate portion of the at least one longitudinal support structure, and at
least one floor section extending in a substantially horizontal plane attached to the at least one
longitudinal support structure, without a plurality of longitudinally spaced, transverse supports
extending from the at least one longitudinal support structure to a side of the dump truck body;
and

a conveyor system attached to the at least one longitudinal support
structure, the floor having at least one opening in alignment with the conveyor system; and

~~wherein the dump truck body further comprises~~ a transverse support
attached to the at least one longitudinal support structure and the at least one floor section
adjacent the tailgate; and

a lift system connected between the truck frame and a forward end of the dump body.

18. (original) The dump truck according to claim 12 wherein the dump truck
body further comprises at least one first curved member adjacent and in contact with the first
side wall and an inner surface of the floor, wherein the at least one first curved member curves
downwardly and inwardly toward the conveyor system.

19. (original) The dump truck according to claim 18 wherein the dump truck body further comprises at least one second curved member adjacent and in contact with the second side wall and the inner surface of the floor, wherein the at least one second curved member curves downwardly and inwardly toward the conveyor system.

20. (original) The dump truck according to claim 19 wherein the at least one first and second curved members are removable.

21. (original) The dump truck according to claim 19 wherein the at least one first and second curved members are permanently attached to either or both of the first and second side walls and the floor.

22. (original) The dump truck according to claim 19 wherein the first and second side walls have a first longitudinal edge distal from the floor and a second longitudinal edge proximal to the floor and wherein the at least one first curved member extends from the first longitudinal edge of the first side wall to the floor adjacent the conveyor system and the at least one second curved member extends from the first longitudinal edge of the second side wall to the floor adjacent the conveyor system.

23 – 30 (cancelled)